

Effective Project Management I

David Khor

Winnotech Solutions Sdn Bhd

Date : Tuesday, 31st March 2020.

Time : 3.00pm – 4.00pm

Course Objectives

- To provide participants with:
 - An awareness of the importance of applying good practice Project Management in projects of any size.
 - An understanding of essential elements, including the Leadership Role of the Project Manager, Project Planning, Risk Management and Stakeholder Engagement.
 - An understanding of the principle elements of design control to be applied within projects at MPC – Productivity Nexus.

MPC - DMO Challenges

□ “What are the particular challenges facing projects at Productivity Nexus?”

- Effective Driving of PN Projects
 - ✓ Time / Schedule
 - ✓ Cost / Budget
 - ✓ Quality / Meeting KPI
 - ✓ Resources

- Reporting Format
 - ✓ Standardization
 - ✓ Software / Digitalization

- Delivery Management Office (DMO)
 - ✓ War Room

MPC Challenges

- “What are the particular management challenges facing projects at MPC?”
 - Requirements hard to define and may evolve
 - Risk Management (all aspects) crucial but difficult
 - Cross functional team composition
 - Competing pressures on resources, e.g. 9 PNs
 - Working with scientific organisations not used to project and QA disciplines \Rightarrow planning may be poor
 - Collaborative agreements rather than contracts
 - Political - Government funding requirements
 - Growing funding pressures due to budget cut by MITI / MEA

What is a Project?

“Unique process consisting of a set of coordinated and controlled activities with start and finish dates, undertaken to achieve an objective conforming to specific requirements, including constraints of **time**, **cost**, **quality** and **resources**”

- A Project is a planned set of activities
- A Project has a scope
- A Project has time, cost, quality and resource constraints

What is Project Management?

- The art of organising, leading, reporting and completing a project through people



What is Project Management?

- A project is a planned undertaking
- A project manager is a person who causes things to happen
- Therefore, project management is causing a planned undertaking to happen.

Project Management Body of Knowledge

PMBOK



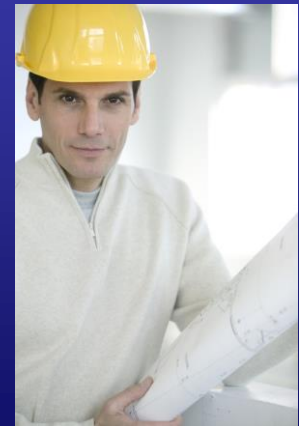
PRINCE2 (PRojects IN Controlled Environments)



Project Manager Role

■ A Good Project Manager

- Takes ownership of the whole project
- Is proactive not reactive
- Adequately plans the project
- Is Authoritative (**NOT** Authoritarian)
- Is Decisive
- Is a Good Communicator
- Manages by data and facts not uniformed optimism
- Leads by example
- Has sound Judgement
- Is a Motivator
- Is Diplomatic
- Can Delegate

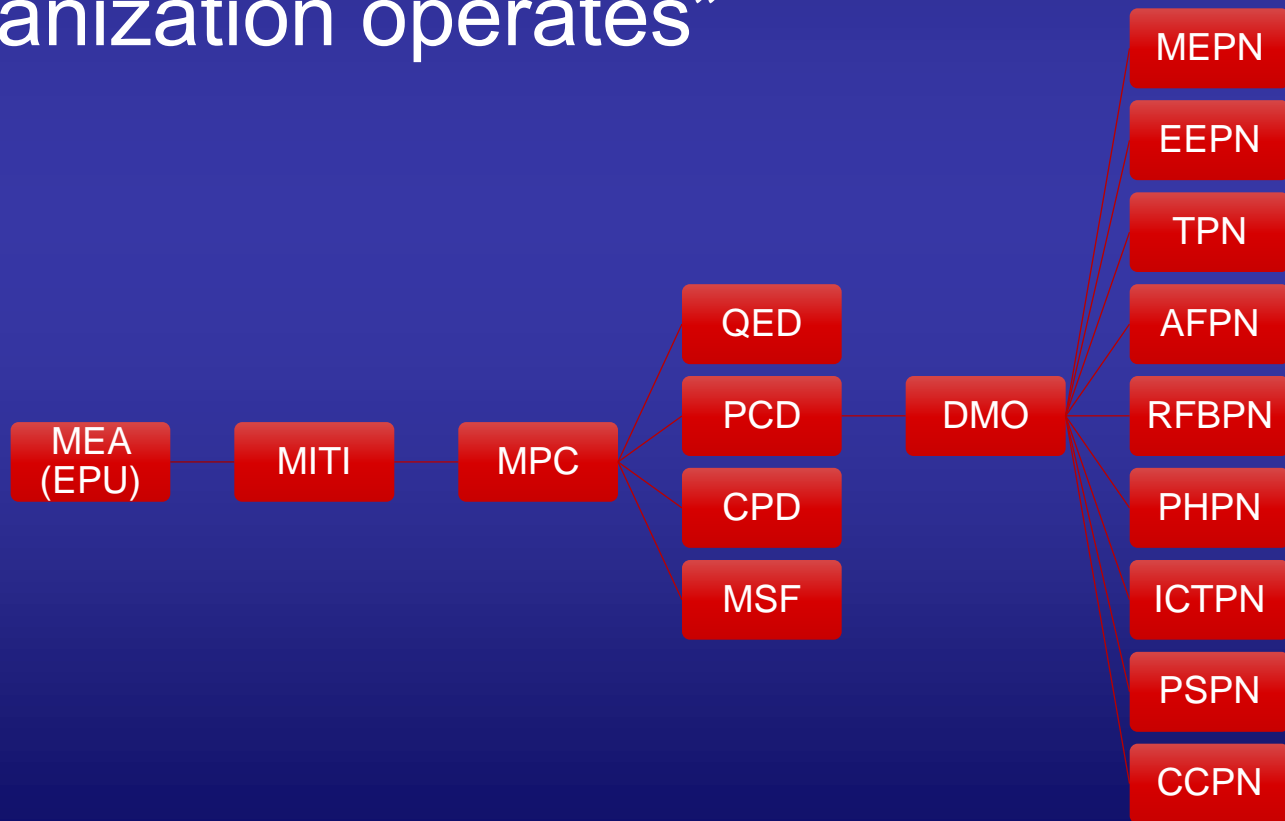


Stakeholder Engagement



Stakeholder

“A person or group of people who have a vested interest in the success of an organization and the environment in which the organization operates”



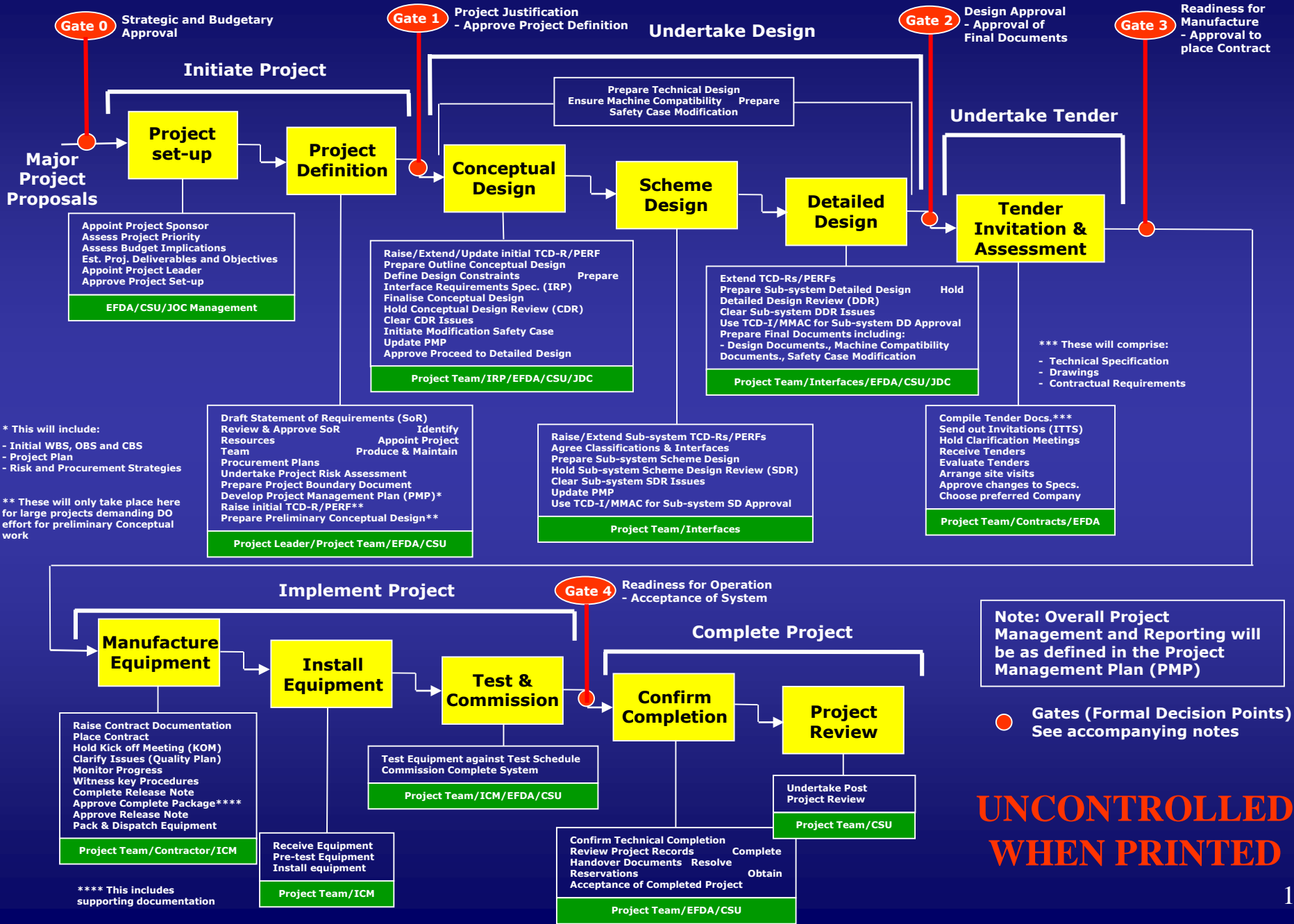
Typical Stakeholders

- Sponsor
- Funding Body
- Customer / Industry players
- Suppliers / SMEs
- End User / people
- HSE/Environmental Agency
- Ministries and Agencies
- Neighbours/Community/Shareholders
- Fusion Community
- Interfaces

Stakeholder Engagement process

- Identify Stakeholders
- Assess needs
- Define actions
- Establish communication channels
- Gather feedback
- Monitor and review

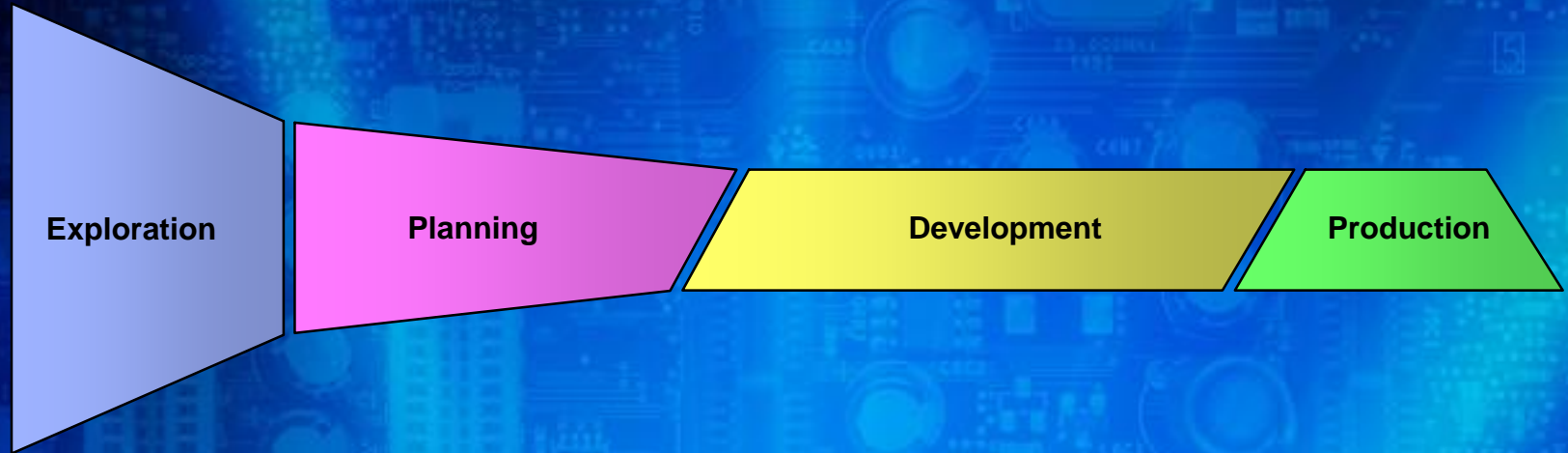
The Project Process



UNCONTROLLED WHEN PRINTED

Product Life Cycle (PLC) Case Study : Intel IDBO

PLC Phases: Overview



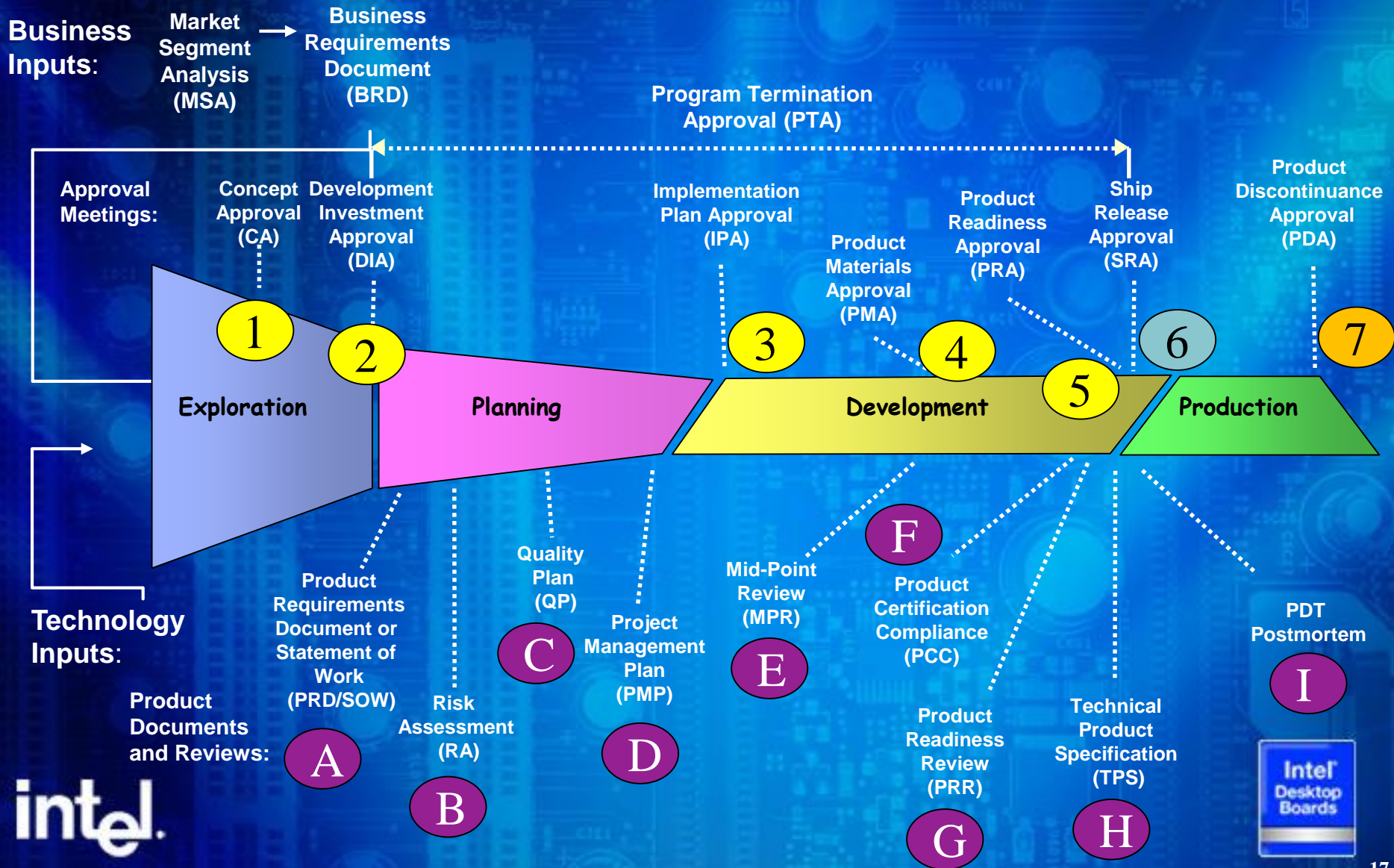
- ❑ The PLC process is used to take a product from development through production
- ❑ It is an integrated approach to product planning, development, manufacturing, support, and discontinuance
- ❑ It involves all functional groups and levels of the organization

PLC Phases: Overview



- ❑ Following the PLC results in:
 - ✓ Accelerated time to market (TTM)
 - ✓ Increased efficiency in development
 - ✓ Synchronized and stable roadmaps
 - ✓ Increased customer satisfaction

PLC Phases: Overview



Effective Project Management II

■ Project Planning

- Work Breakdown Structure (WBS) / Scheduling
- Costing
- Quality
- Risk Assessment

■ Project Monitoring and Control

- Gantt Chart

■ Project Closure / EOL

THANK YOU !

谢谢

TERIMA KASIH !

